



November 15, 2014

Kara Pellaton
Magellan Development Group, LLC
225 N. Columbus Drive, Suite 100
Chicago, IL 60601

RE: Lakeshore East "Building C" Thorium Monitoring on November 7, 2104

Dear Ms. Pellaton:

Stan A. Huber Consultants, Inc (SAHCI) was hired by your firm to monitor for potential thorium contamination during the drilling of geotechnical borings at the Lakeshore East Development in Chicago, Illinois. The monitoring was performed on November 7, 2014.

Instrumentation

Surface gamma scans were performed by Kyle Smith using a Ludlum Model 2221 Scaled / Ratemeter (serial no. 126479) with attached 2"x2" NaI probe. The instrument was calibrated on October 17, 2014. The USEPA action level of 7.1 picocuries per gram (pCi/g) total thorium for this instrument is 18,193 counts per minute (cpm).

The average background count rate for this location was found to be between 4,200 and 4,800 cpm.

Soil Gamma Scans

Gamma surface scans were performed using the Ludlum Model 2221 Scaler / Ratemeter described above. Data was collected after each 5 foot drill depth and recording the highest count rate for each section of cuttings to an excavation depth of 30 feet. Soil removed from the excavation was backfilled on the same day.

The maximum gamma count rate for each 5 foot cutting was recorded on the attached Radiation Survey Form. The count rates in the excavation ranged from 4,600 cpm to 6,300 cpm. No count rates were found at any time that exceeded the threshold limit of 18,193 cpm.

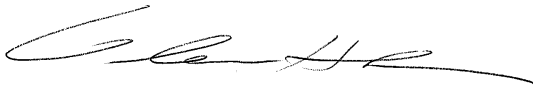
Gamma surface scans were also performed on locations C13 and C13B that were drilled on November 3, 2014. The data was collected by surveying 10 feet around each location on the surface and recording the highest count rate. The surface count rates are recorded on the attached Radiation Survey Form.

Additional Monitoring

Since no count rates were identified above the 7.1 pCi/gram threshold limit, no additional soil sampling, air monitoring, or personnel monitoring were performed.

Thank you for your assistance with this project. If you have any questions or need additional information please call me at (815) 485-6161.

Sincerely,
Stan A. Huber Consultants, Inc.

A handwritten signature in black ink, appearing to read 'Glenn Huber', with a long horizontal flourish extending to the right.

Glenn Huber, CHP
President

Radiation Survey Form

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Location/Project ID: LAKESHORE EAST "C"

Date: November 7, 2014

Technician: Kyle A. Smith

Inst Model: 2221

Serial No.: 126479

Probe Type: 1"x1" NaI / 2"x2" NaI
Shielded / Not Shielded

Lift Elevation: Surface - ~30'

Background 4200 - 4,800 cpm

Action Level: 18,193 cpm $\approx 7.1 \mu\text{Ci/g}$ Total Thorium

Write grid designations in circles. Record highest counts for grid in cpm. Record 30 second counts at grid intersections (if required). Shade areas of elevated counts and record max cpm.

N

